

Training and Evaluation Outline Report

Task Number: 01-5-7534

Task Title: Provide Air Traffic Services (ATS) At A Temporary Landing Site

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FM 3-04.120	Air Traffic Services Operations	Yes	Yes
	TM 95-226	UNITED STATES STANDARD FOR TERMINAL INSTRUMENT PROCEDURES (TERPS) {OPNAVINST 3722.16C;AFM 55-9;CG 318;FAA HDBK 8260.3B} (S&I, U.S. ARMY AERONAUTICAL SERVICES AGENCY, FT BELVOIR, VA) (REPRINTED W/BASIC	No	No

Condition: The battalion is in a simulated (live, virtual, or constructive) combat environment. The unit receives an Operations Order / Fragmentary Order (OPORD/FRAGO) and the commander's guidance. The main command post (CP) is operational and the staff sections are functioning. The unit coordinates with the supported units and forwards required airspace management data to the appropriate units. Some iterations of this task should be performed in MOPP.

Standard: The unit integrates digital systems as appropriate. The team provides advisories and controls ensuring the safe and expeditious flow of air traffic within its area of operations.

Special Equipment: None

Safety Level: Low

Task Statements

Cue: None

DANGER

none

WARNING

none

CAUTION

None

Remarks: I task steps and performance measures, prerequisite and supporting collective tasks, supporting individual tasks and supporting reference numbers were reviewed/updated on 31 January 2013.

Notes: None

TASK STEPS

- * 1. The team leader briefs the team on information pertinent to the current operation.
- * 2. The team leader selects a control center site that:
 - a. Provides the best cover and concealment possible consistent with reliable transmission and reception.
 - b. Uses the terrain to guard against electronic attack.
 - c. Ensures freedom of interference from power lines or other sources of friendly frequency interference.
 - d. Plans at least one alternate route for displacement in case of attack.
 - e. Maximizes visual coverage of traffic pattern area.
- 3. The team infiltrates the temporary landing site.
 - a. Maintains communications with the Airspace Information Center (AIC).
 - b. Assesses the current situation/suitability of temporary site.
 - c. Installs the landing and navigational aids, as required.
 - d. Operates the landing and navigational aids, as required.
 - e. Transmits updated meteorological and flight pattern information to the AIC.
- 4. The team installs the Tactical Terminal Control System (TTCS), AN/TSQ-198.
 - a. Configures antenna(s).
 - b. Positions antenna(s).
 - c. Erects the Meteorological Measure system.
 - d. Positions the Meteorological Measure system.
 - e. Installs the Surface Wire Grounding System.
 - f. Converts system radios to manpack operations, as the situation dictated.
 - g. Installs cables.
 - h. Prepares for local operations, if required.
 - i. Prepares for remote operations, if required.
- 5. The team operates the TTCS.
 - a. Conducts before operations preventive maintenance checks and services.

b. Performs turn-on procedures.

c. Establishes ground-to-air communications with supported aviation units.

6. The team controls the flow of air traffic.

a. Operates AN/TSQ-198.

b. Establishes ground-to-air communications.

c. Uses lost communications procedures in accordance with standard operating procedures, when required.

d. Uses radio communication procedures consistent with the threat.

e. Controls arrivals and departures.

f. Advises arrivals and departures.

7. The team implements communications and controller requirements for localized airspace command and control.

* 8. Commander/Leader performs, or delegates performance of the steps in the composite risk management process for each step in troop leading procedures.

(Asterisks indicates a leader performance step.)

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. The team leader briefed the team on information pertinent to the current operation.			
2. The team leader selected a control center site			
3. The team infiltrated the temporary landing site.			
4. The team installed the Tactical Terminal Control System (TTCS), AN/TSQ-198.			
5. The team operated the TTCS.			
6. The team controlled the flow of air traffic.			
7. The team implemented communications and controller requirements for localized airspace command and control.			
8. Commander/Leader performed, or delegated performance of the steps in the composite risk management process for each step in troop leading procedures.			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: 1 2 3 4 5 M

COMMANDER/LEADER ASSESSMENT: T P U

Mission(s) supported: None

MOPP: Sometimes

MOPP Statement: None

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	01-1-0343	Coordinate Mission Command for Aviation Support Missions	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7532	Conduct Tower Missions	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7537	Provide Airspace Information Center (AIC) Services	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7538	Conduct Airfield Inspections and Policing	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7540	Coordinate Air Traffic Control Facilities on the Airfield	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-5-7535	Provide ATS Pathfinder Support.	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-5-7536	Conduct Air Assault Landing Zone and Pick Up Zone Missions	01 - Aviation/Aviation Logistics (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	01-4-7521	Install The AN/TRN-30 (V) 2	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7523	Install the AN/TPN-31 (ATNAVICS)	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7524	Install The AN/TSQ-70A Or AN/TSW-7A	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7525	Install The Tactical Airspace Integration System (TAIS) AN/TSQ-221	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7526	Operate The Electronic Shop Shelter Mounted Avionics AN/ASM-146 and AN/ASM-147	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7527	Conduct Communications-Electronics (COM/NAV) Maintenance	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7531	Conduct Ground Controlled Approach Radar Functions	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7532	Conduct Tower Missions	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7533	Conduct Tactical Airspace Integration Systems-Airspace Information Center (TAIS-AIC) Functions	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-4-7537	Provide Airspace Information Center (AIC) Services	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-5-7528	Install The AN/TRN-30 [V] 1	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-5-7535	Provide ATS Pathfinder Support.	01 - Aviation/Aviation Logistics (Collective)	Approved
	01-5-7536	Conduct Air Assault Landing Zone and Pick Up Zone Missions	01 - Aviation/Aviation Logistics (Collective)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	011-143-0017	Control the Flight of SVFR Arrival/Departure Aircraft	011 - Aviation (Individual)	Approved
	011-143-0022	Provide Emergency Assistance	011 - Aviation (Individual)	Approved
	011-143-1064	Operate the AN/TSQ-198A Tactical Terminal Control System (TTCS)	011 - Aviation (Individual)	Approved
	011-143-1099	Provide Nonradar IFR Service	011 - Aviation (Individual)	Analysis
	011-143-3028	Supervise the Emplacement of Tactical Equipment	011 - Aviation (Individual)	Approved
	011-143-3029	Supervise the Operation of Tactical Equipment	011 - Aviation (Individual)	Approved
	011-143-5050	Install Beacon Set, AN/TRN-30 (V)1 or (V)2(STUB)	011 - Aviation (Individual)	Approved
	011-143-5051	Operate Beacon Set, AN/TRN-30 (V) 1 or (V) 2(STUB)	011 - Aviation (Individual)	Approved
	011-143-5060	Control Aircraft Taxi	011 - Aviation (Individual)	Approved
	011-415-3105	Supervise Controller Training	011 - Aviation (Individual)	Approved
	011-415-3107	Supervise Implementation of Airspace Control Measures (ACMs)	011 - Aviation (Individual)	Approved
	011-415-3109	Supervise Facility Training Program (FTP) Development	011 - Aviation (Individual)	Approved
	011-415-3120	Determine Facility and Personnel Requirements for Sustainment Operations	011 - Aviation (Individual)	Approved
	011-415-3125	Recommend Revisions to Airspace Control Procedures	011 - Aviation (Individual)	Approved
	011-415-3127	Provide Air Traffic Control (ATC) Technical Assistance to Host Nation Air Traffic and Airspace Agencies	011 - Aviation (Individual)	Approved
	011-415-3128	Supervise Host Nation Air Traffic and Airspace Restorative Operations	011 - Aviation (Individual)	Approved
	052-192-1272	Conduct a Person Search	052 - Engineer (Individual)	Approved
	052-192-1273	Conduct an Occupied Vehicle Search	052 - Engineer (Individual)	Approved
	052-192-1274	Conduct a Route Search	052 - Engineer (Individual)	Approved
	052-192-1275	Conduct an Area Search	052 - Engineer (Individual)	Approved
	052-192-3261	React to an Improvised Explosive Device (IED) Attack (UNCLASSIFIED / FOR OFFICIAL USE ONLY) (U//FOUO)	052 - Engineer (Individual)	Approved
	052-192-4532	Manage Military Search Operations	052 - Engineer (Individual)	Approved
	052-703-9113	Plan for the Integration of C-IED Assets in a COIN Environment	052 - Engineer (Individual)	Approved
	052-703-9114	Respond to an IED at the Company Level	052 - Engineer (Individual)	Approved
	091-751-3400	Determine Vehicle Recovery Requirements	151 - Combined Arms Support (Individual)	Approved
	150-718-2300	Perform Information Collection	150 - Combined Arms (Individual)	Approved
	150-718-5315	Establish the Common Operational Picture	150 - Combined Arms (Individual)	Approved
	171-133-5317	Plan Unit Movement at Company Level	171 - Armor (Individual)	Approved
	171-300-0083	Enforce Rules of Engagement (ROE)	171 - Armor (Individual)	Approved
	301-192-6001	Apply Predictive Analysis to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Analysis
	301-192-6001	Apply Predictive Analysis to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Approved
	301-192-6002	Apply Pattern Analysis Products to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Approved

	301-192-6002	Apply Pattern Analysis Products to Support Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Analysis
	301-192-6003	Prepare Request for Intelligence, Surveillance, and Reconnaissance in Support of Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Approved
	301-192-6003	Conduct Information Collection in Support of Counter Improvised Explosive Device Operations	301 - Intelligence (Individual)	Analysis
	301-192-6004	Conduct Tactical Questioning of Combatants and Civilians on the Battlefield	301 - Intelligence (Individual)	Approved
	301-230-6001	Integrate CREW Systems	301 - Intelligence (Individual)	Approved
	301-230-6002	Manage CREW Systems	301 - Intelligence (Individual)	Approved

Supporting Drill Task(s): None

TADSS

Step ID	TADSS ID	Title	Product Type	Quantity
No TADSS specified				

Equipment (LIN)

Step ID	LIN	Nomenclature	Qty
No equipment specified			

Materiel Items (NSN)

Step ID	NSN	LIN	Title	Qty
No equipment specified				

Environment: 1. Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT

2. All aerial defensive and offensive tactical operations require an area in which to maneuver. Most training areas have environmental restrictions that a unit must follow during tactical operations. The flight-route parameters resulting from environmental and noise complaint restrictions are unique to aviation. These restrictions must be considered when planning training aviation missions and during mission briefs.

3. Aviation units use large amounts of hazardous materials during routine maintenance. Commanders will be held responsible for the proper disposal of hazardous materials (HAZMAT). The operation of FARPs is especially challenging because of the potential for major environmental catastrophes. The SOPs specify the proper disposal of HAZMAT (such as oils and lubricants, used drip pans, and grease and oil washed off vehicles).

4. All gunnery ranges have environmental SOPs which aviation units need to comply with. These restrictions include normal environmental guidance. They also include specific instructions for the disposal of casings and ammunition boxes and maneuvering weapon systems.

Note. Each U.S. installation is subject to local and state environmental regulations as well as to federal legislation. For information pertaining to a specific location, contact the installation environmental office. When overseas or on deployment, contact operations and plans, and training staff officer (S3) or the assistant chief of staff, operations (G3).

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination. 1. In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination.

2. Composite risk management identifies operational risks so hazards can be reduced or eliminated. Composite risk management allows units to operate in high-risk environments. Leaders at every level are responsible for identifying hazards, taking measures to reduce or eliminate hazards, and accepting risk only to the point that the benefits outweigh the potential losses. The Army's doctrinal manuals articulate the risk-management process as the principal risk-reduction tool. Composite risk management is not an add-on feature to the decision-making process but, rather, a fully integrated element of planning and executing operations. The goal is to make composite risk management a routine part of planning and executing operational and training missions.

3. Composite risk management is a continuous process for each assigned mission or training event. It must be integral to military decisions tied into each training plan and become a continuous part of preparation for training. Safety demands total chain of command involvement in planning, preparing, executing, and evaluating training.